

As Required by the Michigan Right To Know Law



TO BE POSTED THROUGHOUT THE
WORKPLACE NEXT TO MSDS LOCATION POSTERS

New or Revised MSDS

NEW OR REVISED TITLE	RECEIPT DATE	POSTING DATE	LOCATION OF NEW OR REVISED MSDS
All Current MSDS Sheets	5-26-88	5-26-88	666 & 700 Harper - Detroit

EPA Region 5 Records Ctr.



236705

932124

MIOSHA
Michigan Occupational Safety and Health Act

SET #2106

This Workplace Covered by the Michigan Right To Know Law



Employers must make available for employees in a readily accessible manner, Material Safety Data Sheets (MSDS) for those hazardous chemicals in their workplace.

Employees cannot be discharged or discriminated against for exercising their rights including the request for information on hazardous chemicals.

Employees must be notified and given direction (by employer posting) for locating Material Safety Data Sheets and the receipt of new or revised MSDS(s).

*Employees may also request MSDS from the Michigan Department of Public Health, Division of Occupational Health, 3500 North Logan, Lansing, Michigan 48906, 517/355-8250

SET #2105

MIOSHA
Michigan Occupational Safety and Health Act

MSDS (s) For This Workplace Are Located At

666 Harper - Detroit Michigan 48202

LOCATION(S)

700 Harper - Detroit Michigan 48202

LOCATION(S)

John McHenry & Jennie Muir

PERSON(S) responsible for MSDS(S)

313 871-1161

PHONE

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MSDS for ETHYLENE GLYCOL ANTIFREEZE NORTHEX

1 - Site Specific Information

*** NOT Implemented for Specified Chemical ***

2 - General Information

CHEMICAL NAME / SYNONYM / TRADE NAME:ETHYLENE GLYCOL /ANTI FREEZE
NORTHEX

MANUFACTURER'S NAME: CADILLAC OIL COMPANY

EMERGENCY TELEPHONE NUMBERS: 313 365-6200

ADDRESS 13650 HELEN STREET, DETROIT, MICHIGAN 48212

CHEMICAL FAMILY NAME: ETHYLENE GLYCOL

CAS NUMBER:MIXTURE

HAZARDOUS INGREDIENTS; ETHYLENE GLYCOL

ISSUE DATE & REVISIONS: NOVEMBER 13, 1985

DISCLAIMER:

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES TO BE DEPEND-
ABLE AND IS ACCURATE TO THE BEST OF THE SELLERS KNOWLEDGE. THE SELLER MAKES
NO WARRANTY WHATSOEVER,EXPRESSED, IMPLIED OR OF MERCHANTABILITY REGARDING THE
ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

3 - Health Hazard Data

THRESHOLD LIMIT VALUE:10MG/M3; FOR PARTICULAR MIST; 50PPM CEILING MIST FOR
ETHYLENE GLYCOL.

SYMPTOMS IF INGESTED, CONTACTED WITH SKIN OR VAPOR INHALED:

EYES; BELIEVED TO CAUSE SLIGHT EYE IRRITATION

SKIN; BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED CONTACT

RESPIRATORY SYSTEM; DROWSINESS,NARCOSIS, AND UNCONSCIOUSNESS POSSIBLE UPON
EXPOSURE TO HIGH CONCENTRATIONS IN POORLY VENTILATED CONFINED AREAS.

CHRONIC; LIVER AND KIDNEY DAMAGE IN 2 YEAR RAT FEEDING STUDIES USING 1-2%
ETHYLENE GLYCOL.

RECOMMENDED FIRST AID TREATMENT:INHALATION; REMOVE TO FRESH AIR; IF NOT BREA-
THING APPLY ARTIFICIAL RESPIRATION. CALL PHYSICIAN

MSDS for ETHYLENE GLYCOL ANTI FREEZE NORTHEX

3 - Health Hazard Data (continued)

SKIN; WASH EXPOSED AREA WITH SOAP AND WATER. (continued)

EYES; FLUSH WITH WATER FOR 15 MINUTES

INGESTION; GIVE LARGE QUANTITIES OF WATER. THEN INDUCE VOMITING IMMEDIATELY
CALL A PHYSICIAN.

4 - Physical Data

BOILING POINT: 338 DEGREES F.

VAPOR PRESSURE (PSIA): <0.1 (MMHG)

SPECIFIC GRAVITY (H2O=1): 1.13

SOLUBILITY IN WATER: COMPLETE

PH UNDILUTED 10.8

EVAPORATION RATE <1

APPEARANCE AND ODOR: FLOURESCENT GREEN LIQUID WITH A MILD ODOR.

5 - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): 240 DEGREES F C.D.C.

FLAMMABLE LIMITS: SEE BELOW

LEL: 3.2

UEL: N.D.

EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL, FOAM, CO2

SPECIAL FIRE FIGHTING PROCEDURES; WATER OR FOAM MAY CAUSE FROTHING. USE H2O
TO COOL FIR EXPOSED CONTAINERS. IF A SPILL OR LEAK HAS NOT IGNITED, USE WAT
SPRAY TO DISPERSE VAPORS AND PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO ST
THE LEAK.

UNUSAL FIRE AND EXPLOSION HAZARDS; NONE

6 - Reactivity Data

MSDS for ETHYLENE GLYCOL ANTI FREEZE NORTHEX

6 - Reactivity Data (continued)

STABILITY: STABLE (continued)**CONDITIONS TO AVOID: EXTREME HEAT****INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING MATERIALS
MAY FORM; CARBON MONOXIDE AND CARBON DIOXIDE ON BURNING
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR****CONDITIONS TO AVOID: EXTREME HEAT**

7 - Spill or Leak Procedures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ABSORB ON INERT
MEDIUM****WASTE DISPOSAL METHOD: FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS**

8 - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE REQUIRED**VENTILATION: CHOOSE ONE OF THE FOLLOWING****LOCAL EXHAUST:****MECHANICAL (GEN.): NORMAL****SPECIAL:****OTHER:****PROTECTIVE GLOVES: IMPERVIOUS GLOVES****EYE PROTECTION: SAFETY GOGGLES RECOMMENDED****OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED**

9 - Special Precautions

MSDS for ETHYLENE GLYCOL ANTI FREEZE NORTHEX

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9 - Special Precautions (continued)

SPECIAL LABELING INFORMATION: LABEL AS FOLLOWS; HARMFUL OR FATAL IF SWALLOW
(continued)

KEEP OUT OF REACH OF CHILDREN. MAY CAUSE IRRITATION TO EYES.

SPECIAL HANDLING RECOMMENDATIONS: MINIMUM FEASIBLE HANDLING TEMPERATURES.
SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE
MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED

SPECIAL STORAGE RECOMMENDATIONS: DO NOT STORED IN OPEN OR UNLABELED CONTAIN

OTHER RECOMMENDATIONS AND PRECAUTIONS: NONE

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CADCO WINDSHIELD WASHER SOLVENT
MSDS for ALCOHOL

1 - Site Specific Information

CADCO WINDSHIELD WASHER SOLVENT.

2 - General Information

CHEMICAL NAME / SYNONYM / TRADE NAME:

ALCOHOL/ WINDSHIELD WASHER SOLVENT/ CADCO WINDSHIELD WASHER SOLVENT

MANUFACTURER'S NAME: CADILLAC OIL COMPANY

EMERGENCY TELEPHONE NUMBERS: (313) 365-6200

ADDRESS (NUMBER, STREET, CITY, STATE, ZIP) 13650 HELEN DETROIT, MICHIGAN 48212

CHEMICAL FAMILY NAME: ALCOHOL

CAS NUMBER: MIXTURE

ISSUE DATE & REVISIONS: 11-21-8

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3 - Health Hazard Data

THRESHOLD LIMIT VALUE: NOT AVAILABLE

SYMPTOMS IF INGESTED, CONTACTED WITH SKIN OR VAPOR INHALED: NOT AVAILABLE

RECOMMENDED FIRST AID TREATMENT:

EYES: FLUSH WITH WATER FOR 15 MINUTES.

SKIN: WASH WITH SOAP AND WATER:

INGESTION: INDUCE VOMITTING. CALL A PHYSICIAN IMMEDIATELY.

4 - Physical Data

CADCO WINDSHIELD WASHER SOLVENT
MSDS for ALCOHOL

4 - Physical Data (continued)

(continued)

BOILING POINT: NOT AVAILABLE

SPECIFIC GRAVITY (H2O=1): NOT AVAILABLE

SOLUBILITY IN WATER: 100 %

FREEZING POINT: NOT AVAILABLE

APPEARANCE AND ODOR: CLEAR BLUE LIQUID - ALCOHOL ODOR

5 - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NOT AVAILABLE

ELECTRICAL CLASSIFICATION GROUP:

FLAMMABLE LIMITS:

LEL:

UEL:

EXTINGUISHING MEDIA: SAND, DRY CHEMICAL, CO2, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: NONE - USE AIR-SUPPLIED BREATHING APPARATUS IN CLOSED AREAS.

UNUSUAL FIRE AND EXPOLSION HAZARDS: NONE

6 - Reactivity Data

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING MATERIALS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CADCO WINDSHIELD WASHER SOLVENT
MSDS for ALCOHOL

6 - Reactivity Data (continued)

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM CARBON MONOXIDE (continued)

7 - Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
DIKE AND ABSORB ON AN INERT MEDIUM. FLUSH RESIDUAL FILM WITH WATER.

WASTE DISPOSAL METHOD:
FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS FOR THE DISPOSAL OF ALCOHOL

8 - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE

VENTILATION: NONE

LOCAL EXHAUST: NONE

MECHANICAL (GEN.):

SPECIAL: NONE

OTHER: NONE

PROTECTIVE GLOVES: IMPERVIOUS GLOVES RECOMMENDED

EYE PROTECTION: SPLASH PROOF SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: NONE

9 - Special Precautions

SPECIAL LABELING INFORMATION: NONE

SPECIAL HANDLING AND STORAGE RECOMMENDATIONS STORE AWAY FROM EXTREME HEAT

! CADCO WINDSHIELD WASHER SOLVENT
! MSDS for ALCOHOL

9 - Special Precautions (continued)

(continued)

SPECIAL STORAGE RECOMMENDATIONS: KEEP AWAY FROM EXTREME HEAT

SPECIAL PACKAGING RECOMMENDATIONS: NONE

OTHER RECOMMENDATIONS AND PRECAUTIONS: NONE

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